



ENVIRONMENTAL COMMISSION MEETING

MONDAY, AUGUST 12, 2019 – 7:00 P.M.

Community Meeting Chambers, Los Altos City Hall
1 North San Antonio Road, Los Altos, California

ESTABLISH QUORUM

PLEDGE OF ALLEGIANCE

PUBLIC COMMENTS ON ITEMS NOT ON THE AGENDA

Members of the audience may bring to the Commission's attention any item that is not on the agenda. Please complete a "Request to Speak" form and submit it to the Staff Liaison. Speakers are generally given two or three minutes, at the discretion of the Chair. Please be advised that, by law, the Commission is unable to discuss or take action on issues presented during the Public Comment Period. According to State Law (also known as "the Brown Act") items must first be noticed on the agenda before any discussion or action.

ITEMS FOR CONSIDERATION/ACTION

1. **Environmental Commission Minutes**
Approve minutes of the regular meeting of July 8, 2019
2. **Silicon Valley Clean Energy Authority**
2019 Building Electrification and Electric Vehicle Infrastructure Reach Code Initiative
3. **Los Altos Community Foundation Environmental Education Fund**
EnviroThon Challenge Wrap-up and Award Distributions
4. **Environmental Commission Work Plan**
Commissioner updates on work plan items

INFORMATIONAL ITEMS

5. **City Staff Updates**
Receive information and announcements from City staff

COMMISSIONERS' REPORTS AND COMMENTS

POTENTIAL FUTURE AGENDA ITEMS

ADJOURNMENT

SPECIAL NOTICES TO PUBLIC

In compliance with the Americans with Disabilities Act, the City of Los Altos will make reasonable arrangements to ensure accessibility to this meeting. If you need special assistance to participate in this meeting, please contact the City Clerk at least 48 hours prior to the meeting at (650) 947-2720.

Agendas, Staff Reports and some associated documents for the Environmental Commission items may be viewed on the Internet at https://www.losaltosca.gov/meetings?field_microsite_tid_1=2261.

If you wish to provide written materials, please provide the Commission Staff Liaison with **10 copies** of any document that you would like to submit to the Commissioners in order for it to become part of the public record.

For other questions regarding the meeting proceedings, please contact the City Clerk at (650) 947-2720.

**MINUTES OF THE MEETING OF THE ENVIRONMENTAL COMMISSION OF
THE CITY OF LOS ALTOS, HELD ON MONDAY, JULY 8, 2019 BEGINNING AT 7:00
P.M. AT COMMUNITY MEETING CHAMBERS, LOS ALTOS CITY HALL, 1 NORTH
SAN ANTONIO ROAD, LOS ALTOS, CALIFORNIA**

ESTABLISH QUORUM

PRESENT: Chair Weiden, Vice Chair Yuan, Commissioners Klein, Bray, Halkola (left at 8:18 P.M.), and Teksler (left at 8:57 P.M.)

ABSENT: Commissioner Martin

STAFF: Staff Liaison Niday

PUBLIC COMMENTS ON ITEMS NOT ON THE AGENDA

Gary Hedden (volunteer with Green Town Los Altos) announced upcoming events with Green Town Los Altos and the History Museum.

Bruce Karney (Mountain View resident and a representative of the Climate Reality Project – Santa Clara Chapter) recommended that the City of Los Altos complete a Greenhouse Gas emission update on a yearly basis.

ITEMS FOR CONSIDERATION/ACTION

1. **Environmental Commission Minutes** (Item taken out of order)
Approve minutes of the regular meeting of June 10, 2019

Action: Upon a motion by Commissioner Bray, seconded by Commissioner Teksler, the Environmental Commission approved the minutes from the June 10, 2019 regular meeting as written.

The motion was approved (4-0) by the following vote:

AYES: Weiden, Klein, Bray and Teksler

NOES: None

ABSENT: Halkola and Martin

ABSTAIN: Yuan

2. **Silicon Valley Clean Energy Authority**

John Supp from Silicon Valley Clean Energy gave a presentation on the 2019 Building Electrification and Electric Vehicle Infrastructure Reach Code Initiative.

Public Comment: Helen Rose Sylvester (Campaign Manager at Menlo Spark), Bruce Karney (Carbon Free Silicon Valley), Mike Balma (Carbon Free Mountain View), and Gary Latshaw all expressed their support for the reach code effort.

Action: Upon a motion by Commissioner Bray, seconded by Commissioner Yuan, the Environmental Commission stated unanimous support for staff development and ratification of a reach code.

The motion was approved (6-0) by the following vote:
AYES: Weiden, Yuan, Klein, Bray, Halkola and Teksler
NOES: None
ABSENT: Martin
ABSTAIN: None

3. Los Altos Community Foundation Environmental Education Fund

Selected EnviroThon Challenge winners – including Fight Back for First Place, Field Trippers and Next Generation tied for Second Place, and Vroom Vroom for Third Place; discussed how to allocate funding appropriately.

Public Comment: None

Action: Upon a motion by Commissioner Teksler, seconded by Commissioner Klein, the Environmental Commission unanimously awarded the four winners of the environmental challenge up to \$1,700 (approximately half) of the Los Altos Community Foundation Environmental Education Fund balance. The awards will be distributed to non-profit or educational organizations selected by the winning teams.

The motion was approved (6-0) by the following vote:
AYES: Weiden, Yuan, Klein, Bray, Halkola and Teksler
NOES: None
ABSENT: Martin
ABSTAIN: None

4. Environmental Commission Work Plan

Reviewed and discussed goals for the 2019/20 Work Plan

Public Comment: None

Action: None

INFORMATIONAL ITEMS

5. City Staff Updates

Received information and announcements from City staff

COMMISSION REPORTS AND COMMENTS

None

POTENTIAL FUTURE AGENDA ITEMS

2019 Building Electrification and Electric Vehicle Infrastructure Reach Code Initiative

ADJOURNMENT

Chair Weiden adjourned the meeting at 9:03 P.M.



DATE: August 12, 2019

AGENDA ITEM #2

TO: Environmental Commission

FROM: Callie Niday, Staff Liaison

SUBJECT: Silicon Valley Clean Energy Authority (SVCEA) 2019 Building Electrification and Electric Vehicle Infrastructure Reach Code Initiative

RECOMMENDATION:

Review and discuss Reach Code options and make a recommendation to City Council

BACKGROUND

Silicon Valley Clean Energy (SVCE), along with Peninsula Clean Energy (PCE) and the San Mateo County Office of Sustainability, are supporting their municipalities to adopt building codes that will result in safer and more comfortable buildings, increase their electric vehicle charging infrastructure, and reduce their carbon footprint.

In support of municipalities and counties in SVCE and PCE service territory, SVCE and PCE are providing extensive technical assistance plus a \$10,000 incentive to each city that brings reach codes to their councils.

What Are Reach Codes?

Every three years, cities and counties across the state adopt the new Building Standards Code (Standards) or Title 24 of the California Code of Regulations. Cities and counties may adopt building codes more advanced than those required by the state, which are known as reach codes.

Reach codes aim to update local building codes concurrently with the state-required adoption of the 2019 Standards. The previous adoption cycle with new Standards took effect January 1, 2017. The next code adoption cycle, with new Standards, must be adopted by cities and the County by the end of calendar year 2019. Reach codes may include:

Prescriptive Codes: Require one or more specific energy efficiency measures.

Performance Codes: Require a building to perform more efficiently based on accepted computer modeling and allow trade-offs between energy efficiency measures.

Why Establish Reach Codes?

The benefits of greenhouse gas (GHG) free electricity can best be realized by electrification of new and existing buildings and transportation vehicles. Electrifying buildings and vehicles transition them away from the use of natural gas and gasoline to clean energy provided by SVCE. By developing electrification reach codes, cities can save energy and reduce GHG emissions in Santa Clara and San Mateo County. All-electric buildings are safer and healthier to live in along with being cost effective,

especially when adopted at the new construction stage. It is most efficient for cities to coordinate adoption of reach codes with the adoption of the new 2019 building code, taking effect January 1, 2020.

Staff attends monthly Member Agency Working Group (MAWG) meetings with SVCEA and discusses updates with the reach code initiative.

For more information on Reach Codes with SVCE, please visit:
<https://www.svcleanenergy.org/reach-codes/>

DISCUSSION

SVCEA MAWG Updates (January 2019 – July 2019):

The MAWG did not meet in December 2018. City staff attended the SVCE County-wide Reach Code Working Group Launch on January 15, 2019 to learn more about the Reach Code project described above. Members of the City Manager's Office and Community Development Department attended as well.

At the January 24, 2019 MAWG meeting, the group discussed the potential for SVCEA to form a joint funding mechanism with BAAQMD and other agencies to fund EV infrastructure. SVCEA staff is currently developing an RFP and scope of work to secure a consultant to explore the EVSE market and identify barriers, forecast infrastructure needs, and establish a mechanism to pursue grant funding. SVCEA also updated the group on youth focused programs like the Bike to the Future event, which took place in April 2019 and the creation of a student ambassador program, focused on educating students and schools about ways to reduce GHG emissions.

On March 20, 2019, SVCEA hosted a workshop on the Reach Code project to the appropriate City Staff, the Building/Developer Community and interested stakeholders. The Reach Code project is currently underway, the consultant completed the cost effectiveness study, and the initial draft of the reach codes was released in March.

At the April 25, 2019 MAWG meeting, the group discussed the release of the new PG&E rates for 2019. Sunnyvale gave a presentation on their Climate Action Playbook. The group received an update from Aimee Bailey, Director of Decarbonization and Grid Innovation, on SVCE Innovation Onramp which went live April 3, 2019. The Heat Pump Technology Days: Water Heating Meeting was held on May 9, 2019 in San Francisco. SVCEA also informed the group that the results of the cost effectiveness study for the Reach Codes project are available. SVCE is looking for input from cities and stakeholders; May 15, 2019 is the deadline to provide input before the reach code language is drafted. In May 2019, SVCEA launched a showcase design grant focused on all-electric projects within the service territory; the new all-electric Los Altos Community Center may be eligible. Also, the group announced that PG&E has delivered gas data for the Climate Action Plan.

At the May 23, 2019 MAWG meeting, SVCE presented the heat pump water heater program, which launched in June 2019. This program is offering funding for 100 residential projects including incentives for new heat pump water heaters and new solar panels. The group received an update on the showcase of all-electric design awards, which also launched in June 2019. The awards are going to be available for all-electric buildings that are already built, rather than future projects. The goal is to

showcase the participating projects in SVCE's resource center. SVCE also gave an update on the jurisdictions that have sent in a letter of intent for the reach codes – including Cupertino, Milpitas, Morgan Hill, Mountain View, Campbell, Los Altos, and Sunnyvale. On May 29, 2019, the building model reach code language was shared and on June 6, 2019, the electric vehicle model reach code was discussed.

At the June 27, 2019 MAWG meeting, the group discussed the reach codes initiative with the building officials from various jurisdictions. The building officials from the City of Sunnyvale, City of Milpitas, and the City of Cupertino attended this meeting. As previously discussed, the overall goal of adopting a reach code is to increase the electrification of buildings and decrease buildings overall carbon emissions. Additional benefits of constructing a home that is all-electric is that they are the healthier, cleaner, safer, and more cost-effective option than building a home that has mixed-fuel (electricity and natural gas). Three pathways were presented at the meeting, including: pathway 1 (all-electric), pathway 2 (mixed fuel), and pathway 3 (mixed-fuel with no space and water heating). Pathway 3 would cut the carbon emissions by 80% and would still offer people the option to have comfort appliances (i.e. gas stove top and gas fire pit). In addition, the group received an update that the all-electric showcase awards are now live; applications will be accepted until July 26, 2019. SVCE will showcase the customers who have successfully constructed an all-electric home and will showcase the design elements to help support the reach code effort. The FutureFit Heat Pump Water Heater program launched on June 28, 2019 and about 115 people have already shown their interest. The Heat Pump Cost Effectiveness webinar was given on July 3, 2019.

At the July 25, 2019 MAWG meeting, Aimee Bailey introduced a new program focused on grid integration called the Virtual Power Plant (VPP) initiative. To better understand VPP functions and values, SVCE and Gridworks are releasing the [Silicon Valley Clean Energy Virtual Power Plant Options Analysis Discussion Draft](#) to generate thoughts, ideas, and feedback on possible solutions and the path to achieving those solutions in Silicon Valley. Other programs discussed at the MAWG meeting include the [Innovation Onramp Program](#), the [All-Electric Showcase Awards](#), and [FutureFit](#) – the heat pump water heater program. The Heat Pump Water Heater Buyers Guide can be found in Attachment A. It was announced that the City of Berkeley unanimously voted to ban natural gas for new low-rise residential buildings starting January 1, 2020. PG&E has offered to attend council meetings in support of building electrification. There is a Building Decarb Coalition webinar on August 29, 2019 called “Is a Gas Moratorium Right for You?” In addition, SVCE announced that there are existing tools on their website to help support the reach code effort, including the Model Staff Report Letter Template and informational flyers (found in Attachment B). Additional tools are currently under development, including a general slide deck for City staff use, building department checklists, a cost effectiveness informational chart, an electric vehicle cost effectiveness analysis, and an informational video. An update was given to the group that the 2018 GHG inventory is almost completed. Lastly, the Draft EV Infrastructure Joint Action Plan was discussed.

Attachments:

- A. Heat Pump Water Heater Buyers Guide
- B. Reach Code Informational Flyers



HEAT PUMP WATER HEATER BUYERS GUIDE



Introducing
the “FutureFit” Home

01

Heat Pump Water Heater
vs. Gas

02

The Tech
How it Works

03

Things to Consider
When Buying

04

Products &
Where to Buy

05

Contractor &
Installation

06

Best
Practices

07

*Products shown are examples of available products and are not endorsements.

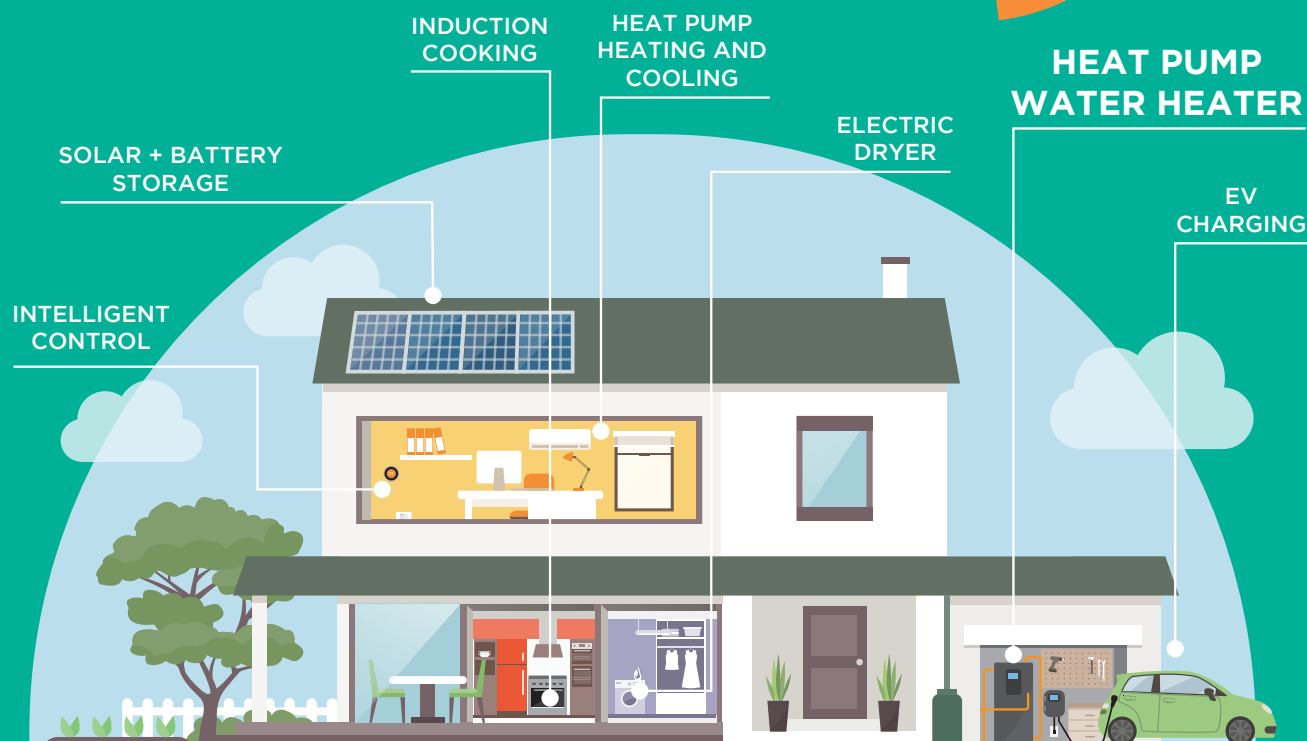
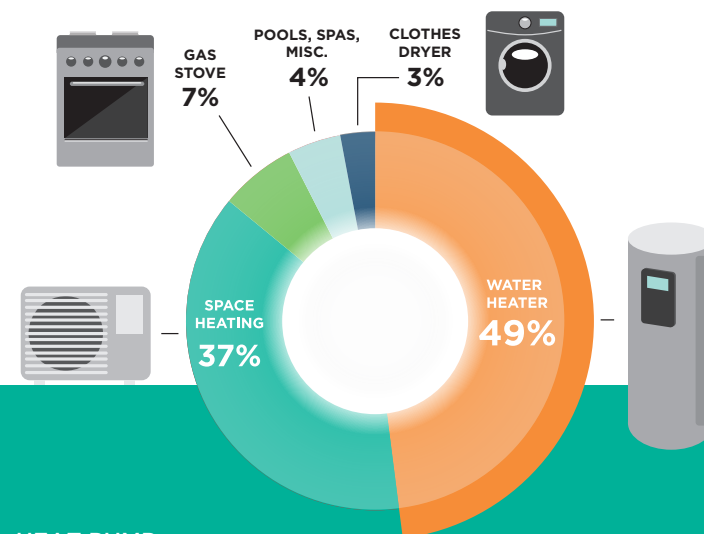
1. INTRODUCING THE “FUTUREFIT” HOME

An all-electric FutureFit home is more efficient, comfortable and safe. Appliances run exclusively on clean electricity from sources such as solar, wind and hydropower – rather than fossil fuels that harm indoor air quality and pollute the environment. At the core of a FutureFit home is an electric Heat Pump Water Heater.

Most existing homes in the San Francisco Bay Area have water heaters that run on natural gas. Gas water heaters are typically a home’s single biggest source of emissions that are damaging to air quality and the environment.

This guide offers important information on the benefits of installing an electric Heat Pump Water Heater, buying considerations, product details and installation.

HOME EMISSION SOURCES





2. BENEFITS

A Heat Pump Water Heater (HPWH) offers many benefits compared to gas water heaters:



Energy Savings

Heat Pump Water Heaters are more energy efficient because they use less energy to heat water compared to natural gas water heaters.

Heat Pump Water Heaters can also engage with money-saving options, like time-of-use electricity rates, and even money generating opportunities, like utility grid-interactive programs, neither of which are available to natural gas water heaters.



Usable Cold Air

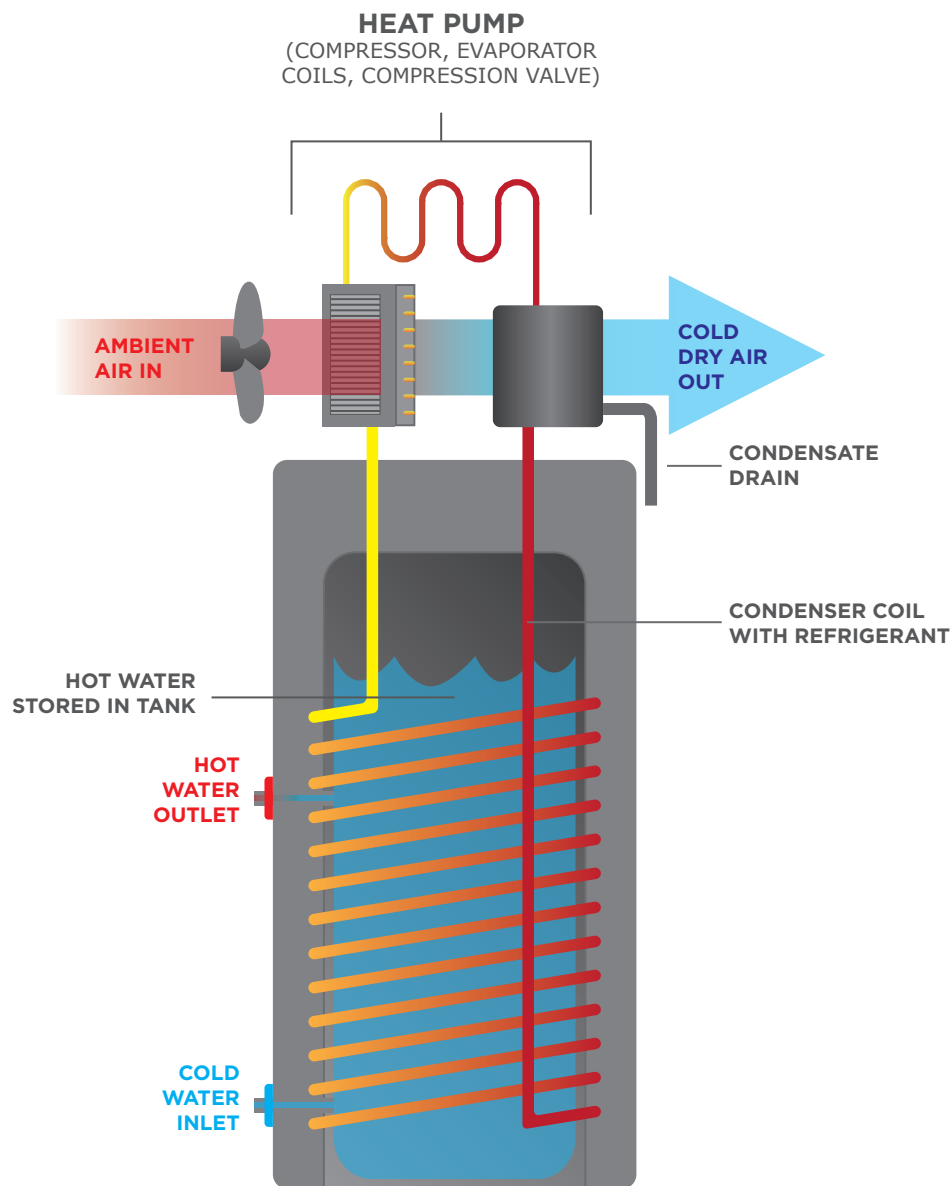
When a heat pump is operating, it expels cold air. This can often make the surrounding space more comfortable.



Healthier and Safer

Replacing the combustion of natural gas with clean electricity for your water heater removes a major potential source of Carbon Monoxide (CO) and Nitrogen Dioxide (NO₂) from your home, according to the California Air Resources Board.

With SVCE providing carbon-free electricity for your home, switching to an electric Heat Pump Water Heater cuts nearly 50% of your house's overall greenhouse gas emissions that otherwise would have occurred with your natural gas water heater.



3. HOW IT WORKS

A Heat Pump Water Heater works similarly to a refrigerator, except in reverse. While a refrigerator removes heat from an enclosed box and expels that heat to the surrounding air, a HPWH takes the heat from surrounding air and transfers it to water in an enclosed tank.

Air is pulled inside the tank, then heat from the air is absorbed by an evaporative coil which transfers heat to the water. The cooled, dehumidified air is then pushed back out into the surrounding space. Cool water flows into the tank, is heated by the stored heat in the coil and is then sent to you through your home's pipes.

HPWHs typically allow for multiple modes of operation depending on the situation:

- **Efficiency/Economy** – Maximizes energy efficiency and savings by only using the heat pump to heat water.
- **Electric/Heater** – This high-demand setting is the least energy-efficient, using only the electric resistance element to heat water.
- **Auto/Hybrid** – The default setting is ideal for daily use, providing energy-efficient water heating using the heat pump, with sustained heat as needed from the electric element.
- **Vacation & Timer** (not available on all models) – Save energy when away from home by placing the unit in "sleep" mode until you return.

4. THINGS TO CONSIDER WHEN BUYING

SVCE recommends the higher efficiency and quieter models. Other considerations:

Efficiency

Look for a Uniform Energy Factor (UEF) of at least 3.0. This number represents how efficiently the unit operates. The higher the number, the less it will cost to heat water. A UEF of 3.5 or greater is quite common.

View the Northwest Energy Efficiency Alliance's qualified products list to find a product with a UEF of 3.0 or greater: [neea.org/img/documents/qualified-products-list.pdf](https://www.neea.org/img/documents/qualified-products-list.pdf).

A unit rated as Tier 3 indicates a higher level of efficiency and quieter operation than Tiers 1 or 2.

Tank Size

Select a tank of similar size (or larger) than your existing tank. Larger units are typically more efficient, store more hot water, and provide better money saving opportunities from utility demand response programs and time-of-use rates than their smaller counterparts.

First Hour Rating

First Hour Rating is the calculated amount of water your heater can deliver in an hour of usage. As hot water is used, cold water is added to the tank and heated. Therefore, this number can be larger than the tank capacity and is the best measure for how much consistent hot water your unit can supply in a given hour.

Refrigerant

Some units use naturally occurring CO2 refrigerants providing the lowest global warming potential. Others use synthetic refrigerants, such as R410A or R134A.

Overall Costs

For new construction, all-electric homes cost less to construct and a HPWH is a key component.

For existing homes, HPWHs can have a higher upfront cost as the home was likely constructed for natural gas lines, not 220V electrical lines to the water heater location.

In either case, a HPWH can end up being more cost-effective over the long term, especially when operating using lower cost, off-peak rates.

Electrical Panel

Check your main service panel to see if it can handle the added electric load of a HPWH, typically 30 Amps though some units only require 15 Amps. If you're thinking of cutting your carbon footprint even further with an electric vehicle, or switching other gas appliances to electric, you may want to prepare for the future and upgrade your panel now.

Noise

All HPWHs contain a compressor, similar to a refrigerator, and will emit noise when operating. The lower the decibel level, the quieter the operation. Look for units with a decibel level (dBA) of 55 or lower and/or locate the unit in the garage. 50 decibels is associated with sounds like quiet conversation, light traffic or a refrigerator.

Common Manufacturers

- A.O. Smith
- American
- Bradford White
- Kenmore
- Lochinvar
- Reliance
- Rheem
- Richmond
- Ruud
- Sanden
- State
- U.S. Craftmaster

The above manufacturers are featured on the Northwest Energy Efficiency Alliance qualified product list as of 4/15/2019.

Where to Buy



Local hardware or home improvement centers



Through your contractor



Online retailers

5. PRODUCTS & WHERE TO BUY



A photograph of two men shaking hands, overlaid with a teal color filter. The man on the left is wearing a light-colored shirt and a dark tie, while the man on the right is wearing a plaid shirt. The handshake is the central focus of the image.

6.

CONTRACTOR & INSTALLATION

Engaging with a contractor experienced with Heat Pump Water Heaters is recommended. A proper installation includes connecting the heat pump to your main electric service panel as well as capping the existing gas line that was serving your previous gas water heater.

Contractors are licensed and regulated through the Contractors State Licensing Board. Review the status of the contractor's license on the State Licensing Board's website. When selecting a contractor, we recommend receiving quotes from more than one contractor and speaking with one or more previous customers about their experiences with this contractor. When searching for a contractor you may utilize online resources, while some major home improvement stores have contractor referrals for products they sell.

HOW DO I KNOW IF A HEAT PUMP WATER HEATER IS A GOOD MATCH FOR ME?

- Your existing gas water heater is in the garage, or in a laundry room or similar indoor space.
- You have a spare 220V outlet near your existing gas water heater, such as an outlet for an electric clothes dryer.
- You have available circuit breaker capacity in your main electrical panel. For electrical panels below 200 Amps, this may be more difficult.
- You are comfortable with technologies that reduce your energy bill – solar, smart electric vehicle charging, time-of-use electricity rates, connected thermostats (like Ecobee, Honeywell or Nest).

If your home does not meet all these criteria, don't worry, heat pumps can still work for you.

7. BEST PRACTICES



- If you have solar, a HPWH can save you money by using your solar generation to heat water during peak solar times, then store it for later use.
- Use vacation mode when you plan to be away for a while. The HPWH will turn off while you are gone and reheat before you return so there is hot water when you arrive, without wasting energy.
- If on a time-of-use (TOU) rate, time your water heater to heat up during off-peak times so the HPWH uses the lowest-cost electricity available to heat your water.
- Include a thermostatic mixing valve to increase usable hot water. These valves allow storing water at a higher than normal temperature in the tank, then the valve automatically mixes your stored hotter water with cold water to deliver the desired temperature at the sink or shower.
- Look for units that include internet connectivity. This allows you greater control over the unit's operation and may unlock even more savings if your utility runs a specific program for grid-interactive "smart water heaters."

For more information and to learn more about Heat Pump Water Heaters please visit:

www.svcleanenergy.org/water-heating

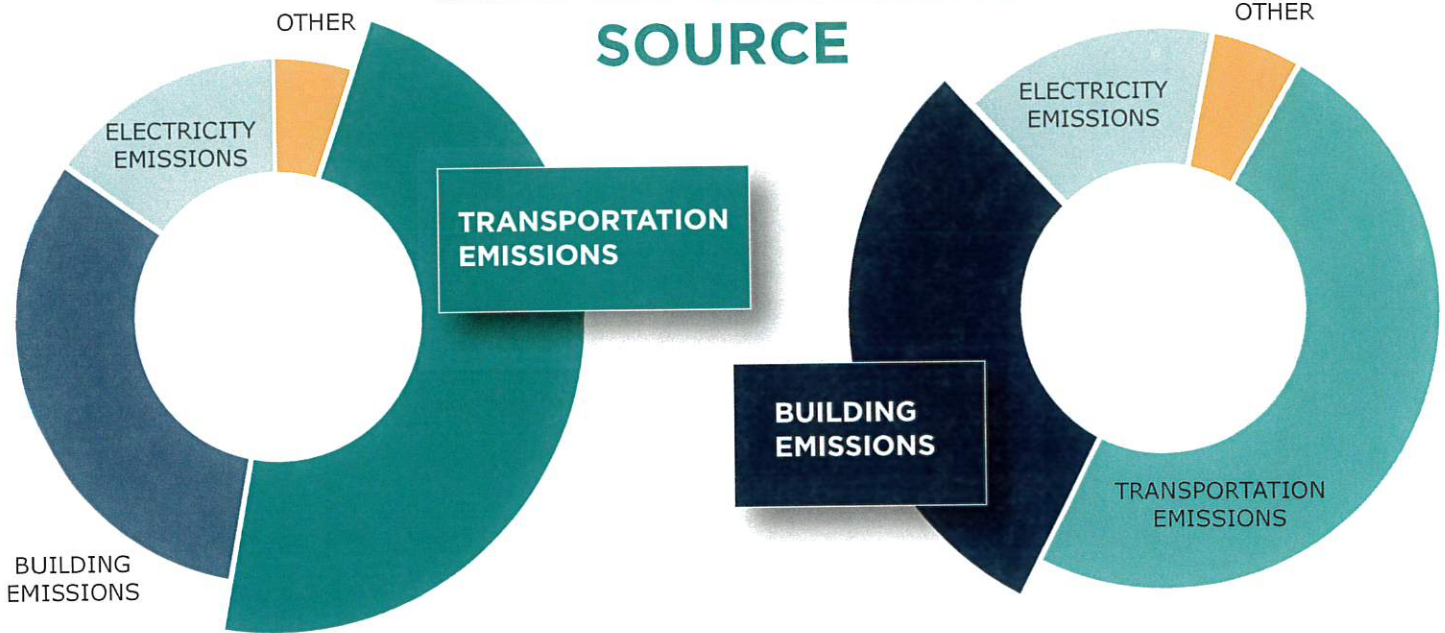


SILICON VALLEY
CLEAN ENERGY

SVCleanEnergy.org



LOCAL POLLUTION SOURCE



A BETTER BUILDING CODE WILL ENCOURAGE MORE ELECTRIC VEHICLES AND CLEAN ELECTRIC BUILDINGS

ELECTRIC VEHICLES

SAVES MONEY



An EV Reach Code **saves money in future retrofit costs** by making new buildings more **ready for electric vehicle charging** as Santa Clara County leads the state in per capita EV adoption rates

ELECTRIC BUILDINGS

Not running gas infrastructure to new buildings **saves thousands for new homes and even more for larger buildings**¹

IMPROVES AIR QUALITY



Unlike gas powered cars, **electric vehicles do not spew nitrogen oxides, and particulate matter** that contribute to smog and poor air quality²

By not burning fossil fuels, electric buildings would reduce pollution. Our current building stock contributes to **1/3 of regional air pollution**. Using solely clean electricity to power buildings creates buildings that do not pollute!

PROMOTES PUBLIC HEALTH



Electric vehicles **do not contribute to air pollution** that is known or suspected to cause cancer or other serious health issues related to gas powered transportation emissions²

Avoiding the use of natural gas in buildings **prevents the release of carbon monoxide and nitrogen dioxide** which can be toxic to people and pets³

¹ - E3; Residential Building Electrification in California

² - EPA; <https://www.epa.gov/transportation-air-pollution-and-climate-change/smog-soot-and-local-air-pollution>

³ - CARB; Combustion Pollutants in Your Home

A BETTER BUILDING CODE



Our cities and towns can adopt local amendments to the new energy code, known as Reach Codes, to construct buildings that lead the way to a cleaner, safer future for Santa Clara County communities.

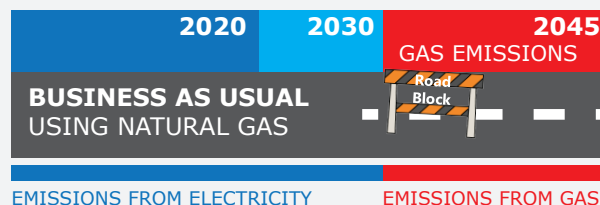
Every three years, cities adopt the new building code set by the state. This year our communities can be at the forefront of meeting our state climate goals by ensuring our new buildings promote a clean, comfortable and healthy future for Santa Clara County.

BENEFITS

Improved Air Quality | Cost Savings | Better Public Health

The proposed Reach Code focuses on encouraging transportation and buildings powered with clean electricity and discouraging pollution from fossil fuels in our community.

As long as gas is used to heat buildings and power transportation, the path to zero emissions is blocked.



A CODE THAT TAKES US TO
ZERO EMISSIONS

*graphic not to scale



DATE: August 12, 2019

AGENDA ITEM #3

TO: Environmental Commission

FROM: Callie Niday, Staff Liaison

SUBJECT: Los Altos Community Foundation Environmental Education Fund

RECOMMENDATION:

Receive EnviroThon Challenge Wrap-up and Award Distributions

BACKGROUND

In November 2003, the Los Altos Community Foundation (LACF) entered into a Donor Advised Fund Agreement with the Los Altos Environmental Commission (formerly the Los Altos Environmental Committee) for the purposes of creating and maintaining an Environmental Education fund, “the Fund”. The Fund is maintained and administered by LACF and was initially created for the purpose of funding the reprinting of the *Trees of Los Altos* booklet. Upon an initial grant of \$1,000 by LACF, the fund received donations from the public to aid in the printing and distribution of the *Trees* booklet. The books were printed and distributed, though LACF reports hundreds of copies remaining in storage. The current balance of the account is \$3,528 and is to be used specifically for “environmental education”.

DISCUSSION

LACF has informed the City that the \$3,528 balance remains available for environmental education efforts. The Environmental Commission has the authority to make recommendations to LACF for disbursement of the funds.

At the January 14, 2019 meeting, the Environmental Commission discussed potential uses for the environmental education fund. The Commission determined that a brainstorming session would help determine potential uses for the funds and directed Commissioners to bring ideas to the February meeting. The Commissioners will share their ideas and begin to narrow the focus of the environmental education fund.

The Environmental Commission continued its discussion of potential uses for the environmental education fund at the February 11, 2019 meeting. Vice Chair Yuan and Commissioner Teksler formed a subcommittee to distill the February 11, 2019 discussion and develop a list of the group’s top ideas from the brainstorming session.

At the March 11, 2019 meeting, the Environmental Commission continued to discuss the potential uses for the environmental education fund. Commissioner Klein expressed interest to work with the History Museum to develop specific activities and programs to use the funding for engagement and community involvement focused on environmental education as both organizations deem fit, and bring back a generalized proposal with review and input from the Commission.

At the May 13, 2019 meeting, Commissioner Klein gave an update that the Commission is going to work with the Los Altos History Museum to host an activism workshop during the Apricot STEM Fair on Sunday, June 30, 2019. The goal is for participants to form a team, design an environmental protection campaign, and pitch their campaign for cash funding. The pitches will be recorded, and the Commission will select the winners. The details of how the environmental education fund is being allocated is being discussed and will be presented at the June meeting.

At the June 10, 2019 meeting, Commissioner Klein updated the Commission that 12 applications representing seven schools across four cities were received for the Los Altos EnviroThon Challenge at the Apricot STEM Fair. Despite the challenge of getting the attention of teachers and students at the end of the school year and the challenge of holding the event during the summer break, a great number of students signed up for the event. Commissioner Klein informed the group that the pitch presentations will be recorded and published on the web. Once the videos are reviewed by the Commission, the winners will be selected and the amount of funding to award each team will be decided. Awards will be judged on the basis of both the feasibility of the project idea and the persuasiveness of the presentation. The grand prize-winning team will also receive a session of personalized tutoring in advance of reprising their pitch in front of an audience at the Los Altos Night of Ideas event in September.

At the July 8, 2019 meeting, Commissioner Klein announced that the EnviroThon event was a success. There were 13 participants from seven different schools across four cities. Four teams were formed, and they had only three hours to put together a presentation. The EnviroThon Challenge winners were announced including Fight Back for First Place, Field Trippers and Next Generation tied for Second Place, and Vroom Vroom for Third Place. The Commission unanimously awarded the four winners up to \$1,700 (approximately half) of the Los Altos Community Foundation Environmental Education Fund balance. The group discussed how to allocate funding appropriately. It was announced that the awards will be distributed to non-profit or educational organizations selected by the winning teams. The remaining education fund balance will go towards hosting a similar event next year.



DATE: August 12, 2019

AGENDA ITEM #4

TO: Environmental Commission

FROM: Callie Niday, Staff Liaison

SUBJECT: Environmental Commission Work Plan

RECOMMENDATION:

Review and take action, as appropriate, on the 2019/20 Environmental Commission Work Plan

BACKGROUND

The Environmental Commission met in a Joint Meeting with the City Council on May 7, 2019 to review the Commission's 2018/19 Accomplishments and Draft 2019/20 Target areas and discussed issues and projects for the upcoming year. Based on this discussion, the targets were finalized, and the 2019/20 Work Plan was developed. The Targets and Work Plan are intended to focus the Commission's agenda items and will serve as a roadmap for projects and actions, as appropriate, during the 2019/20 year.

DISCUSSION

Environmental Commission Targets and resulting Work Plan for 2019/20 are:

1. Climate Action Plan
2. Water Conservation and Stormwater Management
3. Solid Waste Diversion
4. Community Outreach and Education

The Commission will review the targets, projects, and status updates at each of its monthly meetings and act appropriately.

Attachments:

- A. 2019/20 Targets and Work Plan
- B. Memo to Environmental Commission from Single-Use Plastics Subcommittee

ENVIRONMENTAL COMMISSION

2019/20 Targets & Work Plan

August 12, 2019

Targets	Projects	Assignments	Target Date	City Priority related to	Status
Climate Action Plan	Review and comment on Building and Electric Vehicle Reach Codes	<ul style="list-style-type: none"> Subcommittee -Don Weiden, Laura Teksler and Lei Yuan 	January 2020	CAP Goals	<ul style="list-style-type: none"> SVCE presentation of Building Model Reach Code language on May 29, 2019 SVCE presentation of Electric Vehicle Model Reach Code language on June 6, 2019 SVCE presentation of Reach Codes to Commission on July 8, 2019; the Commission made a motion to support staff development and ratification of a reach code Subcommittee met on July 15, 2019 The subcommittee will come back with recommendations to City staff by the next EC meeting
	Update of City's CAP	<ul style="list-style-type: none"> Subcommittee to work with staff and Subconsultant 	Monthly	CAP Goals	<ul style="list-style-type: none"> The Sustainability Coordinator position was approved by the City Council for the Fiscal Year 2019-20 / 2020-21 Operating Budget on June 11, 2019 This is on hold until the new Sustainability Coordinator is on board
Water Conservation & Stormwater Management	Green Infrastructure Plan	<ul style="list-style-type: none"> Assist staff in development and review of Plan 	June 2019	Storm Water Regional Discharge Permit	<ul style="list-style-type: none"> Staff made a presentation of their final plan to the Commission on May 13, 2019 Included as a consent item for the City Council meeting of July 9, 2019

Solid Waste Diversion	Provide review comments on Solid Waste Disposal Contract	<ul style="list-style-type: none"> Subcommittee Don Weiden, Laura Teksler and Chad Martin 	January 2020	Solid Waste Disposal	<ul style="list-style-type: none"> Subcommittee met with staff and City Consultant on March 20, 2019 for a study session City held a Community Meeting on May 15, 2019
	Investigate initiatives on limiting single use plastics	<ul style="list-style-type: none"> Subcommittee to work with staff and Subconsultant 	Monthly	Recycling	<ul style="list-style-type: none"> Update to EC on June 10, 2019 The City of Los Altos is participating in the Ad Hoc Model Foodware Ordinance Committee (Santa Clara County Recycling and Waste Reduction Division – Draft Zero Waste Plan) Andrea Trese from the City’s Engineering Division is the Los Altos representative
Community Outreach & Education	Develop program in collaboration with the Los Altos History Museum	<ul style="list-style-type: none"> Environmental Education Fund held by LACF David Klein 	June 2019	Public outreach and education	<ul style="list-style-type: none"> Coordination with History Museum Apricot Stem Fair EnviroThon Challenge held at the Apricot STEM Fair on June 30, 2019 Winners and awards were selected at the EC meeting of July 8, 2019
	Update environmental measures on the City web site	<ul style="list-style-type: none"> Chad Martin 	Ongoing	Public outreach and education	
	Continue gas-powered leaf blower ban outreach and education	<ul style="list-style-type: none"> Laura Teksler 	Ongoing	Public outreach and education	
	Continue anti-idling outreach and education	<ul style="list-style-type: none"> Don Weiden 	Ongoing	Public outreach and	<ul style="list-style-type: none"> June 10, 2019 Report on Los Altos HS Survey Results
	Continue to support SVCEA community outreach and education		Ongoing	Public outreach and education	
	Assist staff with various outreach and education efforts	<ul style="list-style-type: none"> Climate Action Plan Water Conservation Storm Water Management Solid Waste Diversion Urban Forest / Trees Downtown Vision 		Public outreach and education	

August 12, 2019

To: Environmental Commission

From: Single Use Plastics Subcommittee
Halkola, Weiden, Yuan

Subject: Environmental Commission
2018/2019 Targets & Work Plan

Discussed the status of the Subcommittee investigation at the February 11, 2019 Environmental Commission Meeting. Committee agreed that the Subcommittee should continue investigating and reporting on ordinances and regulations under consideration. This is an update for the August 12, 2019 Environmental Commission Meeting

1. CA Assembly Bill No. 1884
 - a. Signed by the Governor and filed on September 20, 2018
 - b. Adds Chapter 5.2 to Part 3 of Division 30 of the Public Resources Code which prohibits a full-service restaurant from providing single-use plastic straws unless requested by the customer.
 - c. http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180AB1884
2. CA Senate Bill No. 1335
 - a. Signed by the Governor and filed on September 20, 2018
 - b. Adds to Chapter 6 to Part 3 of Division 30 of the Public Resources Code which the setting and maintenance of standards for sustainable food service packaging at state facilities by 1/1/2021 (does not include straws, cup lids, plastic bags and utensils)
 - c. http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180SB1335
3. City of Berkeley
 - a. Single Use Disposable Foodware and Litter Reduction Ordinance became effective March 27, 2019. Reducing the use of disposable foodware is a component of the City's Zero Waste goal.
 - b. https://www.cityofberkeley.info/Public_Works/Zero_Waste/Berkeley_Single_Use_Foodware_and_Litter_Reduction_Ordinance.aspx
4. City of Sunnyvale
 - a. The Sunnyvale Sustainability Commission and Climate Action Plan 2.0 Advisory Committee is making final edits to a Climate Action Playbook that will go to the City Council on August 13, 2019.
 - b. Climate Action Playbook includes 4.1 Achieve Zero Waste Goals for Solid Waste. Food Scrap Collection, Increased Landfill Diversion and Waste Prevention are part of the Playbook.
 - c. Council authorized a [Single Use Plastics study](#)
 - d. Sunnyvale is participating in the Ad Hoc Model Foodware Ordinance Committee
 - e. Sustainability Commission contacts include Kristel Wickham and Doug Kunz
 - f. City Solid Waste Mark Bowers MBowers@sunnyvale.ca.gov 408-730-7421

5. City of Cupertino
 - a. Sunnyvale is participating in the Ad Hoc Model Foodware Ordinance Committee
 - b. Sustainability Commission contact is Gary Latshaw
 - c. <https://www.cupertino.org/our-city/commissions/sustainability-commission>
6. Town of Los Altos Hills
 - a. Environmental Initiatives Committee contacts include Pat Lang and Peter Evans
 - b. <http://www.losaltoshills.ca.gov/159/Environmental-Initiatives>
7. Town of Los Gatos and City of Saratoga
 - a. Do not have Environmental or Sustainability Commissions
8. City of Mountain View
 - a. Calls meetings of its Council's Environmental Subcommittee or appoints Advisory Bodies when needed
 - b. Completed and Council adopted Final Report of the 2017-2018 Environmental Sustainability Task Force dated June 19, 2018
<http://laserfiche.mountainview.gov/WebLink/0/edoc/219376/ESTF-2%20Sustainability%20Recommendations%20Report%20-%20June%202018%20-%20FINAL.pdf>
 - c. Report recommendations include Adopt a citywide ban on single-use disposable plastic foodware (W-9)
 - d. Lori.Topley@mountainview.gov is chair of the Ad Hoc Model Foodware Ordinance Committee. Next meeting is August 20, 2019.
9. City of Palo Alto
 - a. Palo Alto is participating in the Ad Hoc Model Foodware Ordinance Committee
 - b. <https://www.cityofpaloalto.org/services/sustainability/default.asp>
 - c. See Palo Alto's [Zero Waste Plan](#) dated August 2018 page 15 item 13, page 19 item 26
 - d. Disposable Foodware Items and Other Disposable Products ordinance adopted on June 24, 2019 <https://www.cityofpaloalto.org/civicax/filebank/documents/72277>
10. City of Santa Clara
 - a. Santa Clara is participating in the Ad Hoc Model Foodware Ordinance Committee
 - b. Mission Trails provides disposal services
11. Santa Clara County
 - a. County of Santa Clara Recycling and Waste Reduction Commission (Los Altos is a voting member of this Commission) www.reducewaste.org
 - b. The County Waste Reduction Commission proposed the Ad Hoc Model Foodware Ordinance Committee (In addition to listed cities, Milpitas, Morgan Hill and San Jose are participating in the committee)
12. State of California
 - a. A single use plastics bill is under consideration. SB 54 by Allen and Wiener Passed by Senate, in Assembly and referred to Appropriations Committee.
 - b. Current requirements include that manufacturers and retailers of single use plastic packaging or products in CA to reduce waste generation through combined source reduction and recycling by 20% on 1/1/2024, 40% on 1/1/2028 and 75% by 1/1/2030.
 - c. Information on the Bill is located at http://leginfo.ca.gov/faces/billTextClient.xhtml?bill_id=201920200SB54
13. City of Los Altos
 - a. Los Altos is participating in the Ad Hoc Model Foodware Ordinance Committee
 - b. Andrea Trese is the Los Altos representative



DATE: August 12, 2019

AGENDA ITEM #5

TO: Environmental Commission

FROM: Callie Niday, Staff Liaison

SUBJECT: City Staff Updates

RECOMMENDATION:

Receive staff report

BACKGROUND

Monthly staff reports and updates will be discussed as listed below.

DISCUSSION

1. Environmental Commission attendance for upcoming Council meetings

Attachment:

- A. 2019 City Council Meeting Attendance Assignments



1 North San Antonio Road
Los Altos, California 94022-3087

MEMORANDUM

DATE: August 12, 2019
TO: Environmental Commission
FROM: Callie Niday, Staff Liaison

SUBJECT: TENTATIVE 2019 City Council Meeting Attendance Assignments

Please sign up to attend or view (Channel 26 or online) three (3) Regular City Council meetings for 2019.
Tentative 2019 Schedule

2019 Regular City Council meeting dates:	Attendance by:
January 8, 2019	Don Weiden
January 22, 2019	Laura Teksler
February 12, 2019	Lei Yuan
February 26, 2019	Don Bray
March 12, 2019	Don Weiden
March 26, 2019	David Klein
April 9, 2019	Laura Teksler
April 23, 2019	Don Weiden
May 14, 2019	Don Weiden
May 28, 2019	Chad Martin
June 11, 2019	Don Bray
June 25, 2019	Heather Halkola
July 9, 2019	Lei Yuan
August 27, 2019	David Klein
September 10, 2019	
September 24, 2019	
October 22, 2019	
November 12, 2019	
November 26, 2019	
December 10, 2019	

The All-Commission training was on May 15, 2018, 10:00 A.M. The Joint Meeting with the City Council and the Environmental Commission was on Tuesday, May 7, 2019. All Commissioners were expected to attend.

Regular City Council meetings are scheduled to begin at 7:00 p.m. and are held on the 2nd and 4th Tuesdays of the month. If you are unable to attend or view one of the City Council meetings to which you are assigned, please arrange for another Commissioner to attend in your place.